

United States Patent and Trademark Office



UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/538,023	06/07/2005	Toshihiro Iwakuma	28955.4027	8877
²⁷⁸⁹⁰ STEPTOE & JO	7590 10/02/200 OHNSON LLP	7	EXAMINER	
1330 CONNECTICUT AVENUE, N.W. WASHINGTON, DC 20036		W.	NELSON, MICHAEL E	
WASHINGTO	N, DC 20030	·	. ART UNIT	PAPER NUMBER
			1709	
	•			
		•	MAIL DATE	DELIVERY MODE
			10/02/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

i.		Application No.	Applicant(s)				
Office Action Summary		10/538,023	IWAKUMA ET AL.	IWAKUMA ET AL.			
		Examiner	Art Unit				
		Michael E. Nelson	1709				
Period fo	The MAILING DATE of this communication apport	pears on the cover sheet with	he correspondence address				
WHIC - Exter after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPLICATION OF THE MAILING DISSIDENCE IS LONGER, FROM THE MAILING DISSIDENCE IS A SIX (6) MONTHS from the mailing date of this communication. The period for reply is specified above, the maximum statutory period or to reply within the set or extended period for reply will, by statute reply received by the Office later than three months after the mailined patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICA: 36(a). In no event, however, may a reply will apply and will expire SIX (6) MONTHS e, cause the application to become ABANI	TION. be timely filed from the mailing date of this communication. DONED (35 U.S.C. § 133).				
Status							
1)	Responsive to communication(s) filed on						
·	•	action is non-final.	•				
<i>'</i> —	, 						
·	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Dispositi	on of Claims						
4)⊠	Claim(s) 1-16 is/are pending in the application		•				
	4a) Of the above claim(s) is/are withdrawn from consideration.						
5)	Claim(s) is/are allowed.		•				
6)	Claim(s) is/are rejected.						
7)	Claim(s) is/are objected to.						
8)⊠	Claim(s) $\underline{\text{1-16}}$ are subject to restriction and/or	election requirement.					
Applicati	on Papers						
9) The specification is objected to by the Examiner.							
10)	10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.						
	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11)	The oath or declaration is objected to by the Ex	caminer. Note the attached O	ffice Action or form PTO-152.				
Priority ι	ınder 35 U.S.C. § 119		•				
	12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:						
	1. Certified copies of the priority documents have been received.						
•	2. Certified copies of the priority documents have been received in Application No						
	3. Copies of the certified copies of the priority documents have been received in this National Stage						
	application from the International Bureau (PCT Rule 17.2(a)).						
* See the attached detailed Office action for a list of the certified copies not received.							
Attachmen	t(s)						
1) Notic	e of References Cited (PTO-892)		mary (PTO-413)				
	e of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO/SB/08)		ail Date nal Patent Application				
	r No(s)/Mail Date	6) Other:	······································				

Art Unit: 1709

DETAILED ACTION

Page 2

Election/Restrictions

1. This application contains claims directed to more than one species of the generic invention. These species are deemed to lack unity of invention because they are not so linked as to form a single general inventive concept under PCT Rule 13.1.

The species are as follows:

Compounds of the following structure:

Where each of X_1 to X_9 are either:

Group 1: Carbon

Group 2: Nitrogen

And each of R₁ to R₉ are -L or -L-Y:

Where L represents:

Group 3: Hydrogen or linear or branched alkyl

Group 4: Substituted or unsubstituted aryl

Group 5: Substituted or unsubstituted heterocyclic

Group 6: Substituted or unsubstituted cycloalkyl

Group 7: Sustituted or unsubstituted amino

Group 8: Substituted or unsubstituted alkokyl

Group 9: Halogen

Group 10: Nitro

Or

Where L represents:

Group 11: Substituted or unsubstituted arylene

Group 12: Substituted or unsubstituted divalent heterocyclic

Group 13: Substituted or unsubstituted linear or branched alkylene

Group 14: Substituted or unsubstituted cycloalkylene

And where Y represents:

Group 15: Hydrogen or linear or branched alkyl

Group 16: Substituted or unsubstituted aryl

Group 17: Substituted or unsubstituted heterocyclic

Group 18: Substituted or unsubstituted cycloalkyl

Group 19: Sustituted or unsubstituted amino

Group 20: Substituted or unsubstituted alkokyl

Group 21: Halogen

Group 22: Nitro

Art Unit: 1709

Applicant is required to elect for EACH of X_1 - X_8 from Group 1 or 2.

Applicant is required to elect for *EACH* of R_1 - R_9 from (one of Groups 3-10) or (one from each of Groups 11-14 and 15-22).

Applicant is required, in reply to this action, to elect a single species to which the claims shall be restricted if no generic claim is finally held to be allowable. The reply must also identify the claims readable on the elected species, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered non-responsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which are written in dependent form or otherwise include all the limitations of an allowed generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

The following claim(s) are generic: 1-16.

- 2. The species listed above do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, the species lack the same or corresponding special technical features for the following reasons:
- 3. The common technical feature is the compound of the following general structure where X_1 - X_9 are defined as above, and R_1 - R_9 are defined as above.

$$\begin{array}{c} R_1 \\ R_2 \\ X_3 \\ X_4 \\ X_5 \\ R_4 \end{array}$$

Art Unit: 1709

4. This technical feature is not novel however, in light of Ueda et al. (JP 2001160488), which describes compounds and electroluminescent devices comprising compounds with the following structures, which meet the limitations of the Applicants' generic structure. [0078]-[0079]

Art Unit: 1709

5. Applicant is advised that the reply to this requirement to be complete must include (i) an election of a species or invention to be examined even though the requirement be traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected invention.

The election of an invention or species may be made with or without traverse. To reserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the restriction requirement, the election shall be treated as an election without traverse.

Should applicant traverse on the ground that the inventions or species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the inventions or species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C.103(a) of the other invention.

6. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael E. Nelson whose telephone number is 571-270-3453. The examiner can normally be reached on M-F 7:30am-5:00pm EST (First Friday Off).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, D. Lawrence Tarazano can be reached on 571-272-1515. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

D. LAWRENCE TARAZANO PRIMARY EXAMINER Michael E. Nelson Examiner Art Unit 1709